

2022 SUMMARY REPORT

Commercial Seed Inspections



PLANT INDUSTRIES DIVISION

BUREAU OF FEED AND SEED

Missouri Department of Agriculture Mission Statement

To serve, promote, and protect the agricultural producers, processors, and consumers of Missouri's food, fuel, and fiber products.

FOREWORD

The 2022 Seed Summary Report is intended to show the reliability of labelers in meeting their claims for seed quality. Inspections were random, with no intentional bias, for the purpose of providing a means of comparing each labeler's reliability in meeting claims. The greater the number of samples taken per labeler, the greater the probability that the consistency in meeting claims shown will represent the labeler's actual performance.

Stop sales are debited to the labeler if a discrepancy from the labeler's claim is found.

All inspections were performed to fulfill the regulatory responsibilities given by the Missouri Department of Agriculture by the Missouri Seed Law, Statute Sections 226.011 through 266.111 (RSMo 2000).

INTRODUCTION

The Missouri Department of Agriculture, Plant Industries Division, Bureau of Feed and Seed, is pleased to publish the 2022 Seed Summary Report and Inspection Results.

In 2022, the bureau officially sampled and tested 2,680 lots of seed. As a result of seed failing to meet its labeled guarantees, 189 stop-sale orders were issued. This resulted in a compliance rate of 92.95 percent compared to 94.49 percent in 2021.

The Missouri Seed Control Laboratory tested 215 service samples in 2022. A total of 2,895 official and service samples were tested in 2022 resulting in a total of 4,920 individual tests performed.

All seed retailers are required to have their seed retested for germination every 10 months (counting the month the seed was retested.) Seed lots found to be out of test date will be placed on stop sale order until the seed has been retested and a new test date and germination rate is placed on the label or the seed is disposed of in an acceptable manner.

The Bureau of Feed and Seed offers many seed sampling and seed testing services. The charges for analysis and analytical reports on seed samples are listed in the Missouri Seed Law Rules 2CSR 70-35.050.

For more information concerning the services offered by the Bureau of Feed and Seed, contact the feed and seed inspector in your area or contact:

**Missouri Department of Agriculture
Bureau of Feed & Seed
P.O. Box 630
Jefferson City, MO 65102**

**Email: FSTT@mda.mo.gov
(573) 751-4310 Office; (573) 751-5500 Fax
(573) 751-4340 Seed Laboratory**

Or visit our Web site at <http://agriculture.mo.gov/plants/seed/>

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BUREAU OF FEED AND SEED
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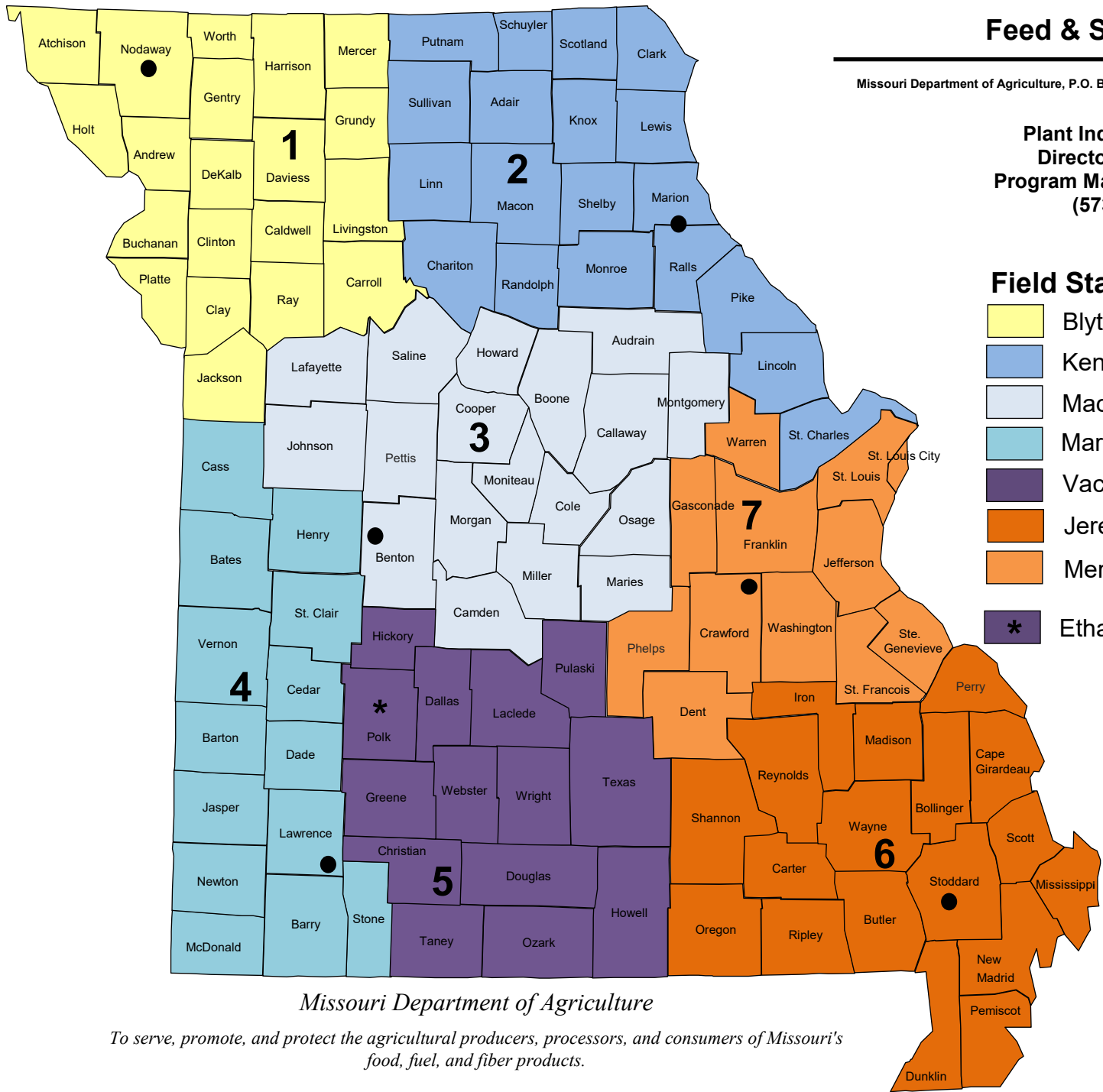
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Missouri Department of Agriculture

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SAMPLES ANALYZED FOR 2022

OFFICIAL SAMPLES ANALYZED			2680
	Germination	2840	
	Noxious Weed	835	
	Purity	781	
	Sand	1	
	Tetrazolium (TZ)	0	
	Retests Performed	225	
TOTAL NUMBER OF LOTS IN VIOLATION			189
TOTAL OFFICIAL TESTS PERFORMED			4,682
COMPLIANCE RATE OF OFFICIAL SAMPLES ANALYZED			92.95 %
SERVICE SAMPLES ANALYZED			215
	Germination	162	
	Noxious Weed	58	
	Purity	13	
	Tetrazolium (TZ)	3	
	Retests Performed	0	
TOTAL SERVICE SAMPLE TESTS PERFORMED			238
TOTAL SAMPLES			2895
TOTAL TESTS PERFORMED			4126
SEED PERMITS ISSUED			3898

Information on samples, inspection of seeds, or service samples is available from the Bureau of Feed and Seed, 115 Constitution Drive, Jefferson City, Missouri, 65109 or by calling (573) 751-4310.

CRITERIA FOR OBTAINING A SERVICE SAMPLE

Forward your seed in containers adequate to protect the sample.
Without proper sampling technique, test will not reflect true quality of the seed.

Bulk lot seeds:

Take a sample from several places.
Mix the seed samples thoroughly.
Make a composite sample.

Bagged lot seeds:

Take sample from approximately 10 percent of the bags.
Mix the seed samples thoroughly.
Make a composite sample.

Size of sample needed for testing:

TYPE OF SEED	SAMPLE SIZE
Large Seeds (corn, soybean, wheat, etc.)	Quart
Highly chaffy seeds (bromegrass, switchgrass, canarygrass, bluestem)	Quart
Small seeds (grass seed, legumes, clover, alfalfa, etc.)	Pint
Vegetable Seeds	200 seed minimum



STATE OF MISSOURI
DEPARTMENT OF AGRICULTURE
SUBMITTING SEED SERVICE SAMPLES

SEED CHARGES			
Purity Exam for one cultivar		\$24.00	
Purity Exam for more than one cultivar		\$36.00	
Purity Exam for seed samples with less than 90% seed		\$20.00 per hour	
Purity Exam for highly chaffy seed		\$20.00 per hour	
NOTE: Uncleaned seed will be charged \$20.00 per hour for Purity Exam			
Noxious/Prohibited Weed Exam		\$24.00	
Germination per cultivar (except highly chaffy seed)		\$24.00	
Germination - highly chaffy seed		\$28.00	
Endophyte from seed		\$40.00	
Tetrazolium (TZ) Test		\$50.00	
Complete Test (includes Purity, Noxious Exam and Germination)		\$72.00	
SAMPLE SIZE NEEDED			
Large seed such as corn, soybean, wheat, etc.		~ Quart	
Highly chaffy seeds such as brome grass, switchgrass, canarygrass, bluestem		~ Quart	
Small seed such as grass seed, legumes (clover), etc		~ Pint	
Vegetable seeds		200 seeds minimum	
Complimentary, cost-free seed analysis for Missouri farmers and individuals submitting samples from June 1 thru August 31, and November 1 thru January 15 based on postmark. The seed can not be intended for resale; therefore, not subject to the labeling requirements of the law.			
MAIL SAMPLES TO		DELIVER SAMPLES TO	
Missouri Department of Agriculture State Seed Control Laboratory PO Box 630 Jefferson City, MO 65102		Missouri Department of Agriculture State Seed Control Laboratory 115 Constitution Drive Jefferson City, MO 65109	
Contact Missouri State Seed Control Laboratory: 573-751-4340 (between 7am to 3:30pm Central Time)			
Additional forms can be obtained at http://www.agriculture.mo.gov			
PLEASE FILL THE BOTTOM PORTION AND SUBMIT WITH SAMPLE			
NAME OF THE SUBMITTING INDIVIDUAL (PLEASE PRINT)		USA PLANTS ID# (IF AVAILABLE)	
ADDRESS	CITY	STATE	ZIP CODE
TELEPHONE NUMBER	EMAIL ADDRESS		
KIND OF SEED	LOT NUMBER	YEAR THE SEED WAS HARVESTED	
ANALYSIS REQUESTED (CHECK THE TEST(S) TO BE PERFORMED)			
<input type="checkbox"/> GERMINATION <input type="checkbox"/> PURITY EXAM <input type="checkbox"/> NOXIOUS/PROHIBITED WEED <input type="checkbox"/> OTHER (SPECIFY)			
LABORATORY USE ONLY			
DATE SAMPLE RECEIVED	SAMPLE LAB NUMBER	SAMPLE BILLED	

SECTION ONE

						Type of Violation				
		Lots Inspected	Lots Passed	Lots In Violation		Germi-nation	Pure Seed	Noxious Weeds	Weed Seed	Other Crop
AG RELIANT GENETICS LLC, WESTFIELD (00222J)										
	Sorghum	1	1	0		0	0	0	0	0
	Soybean	13	11	2		2	0	0	0	0
Compliance Rate:	85.7%	14	12	2		2	0	0	0	0
AGRIGOLD HYBRIDS, ST FRANCESVILLE (0022H1)										
	Corn, Field	2	2	0		0	0	0	0	0
Compliance Rate:	100.0%	2	2	0		0	0	0	0	0
AGRIPRO COKER, BERTHOUD (002ACQ)										
	Wheat	1	1	0		0	0	0	0	0
Compliance Rate:	100.0%	1	1	0		0	0	0	0	0
Amturf Enterprises LLC., JEFFERSON (002398)										
	Mixture	2	2	0		0	0	0	0	0
Compliance Rate:	100.0%	2	2	0		0	0	0	0	0
ANDREWS FARM AND SEED INC, CARTHAGE (002APN)										
	Wheat, Red	17	17	0		0	0	0	0	0
Compliance Rate:	100.0%	17	17	0		0	0	0	0	0
BACK TO THE ROOTS, OAKLAND (003JY9)										
	Carrot	5	5	0		0	0	0	0	0
	Cucumber	1	1	0		0	0	0	0	0
	Dill	1	1	0		0	0	0	0	0
	Lettuce	4	3	1		1	0	0	0	0
	Onion	2	1	1		1	0	0	0	0
Compliance Rate:	84.6%	13	11	2		2	0	0	0	0

						Type of Violation				
		Lots Inspected	Lots Passed	Lots In Violation		Germi-nation	Pure Seed	Noxious Weeds	Weed Seed	Other Crop
BARENBRUG USA, TANGENT (002ABQ)										
	Bluegrass, Kentucky	1	1	0		0	0	0	0	0
	Chicory	2	0	2		1	2	0	0	1
	Mixture	28	26	2		1	0	0	0	0
Compliance Rate:	87.1%		31	27	4		2	2	0	1
BASF CORPORATION - RESEARCH TRIANGLE PARK, RESEARCH TRIANGLE PARK (0038FB)										
	Cotton	2	2	0		0	0	0	0	0
	Soybean	8	8	0		0	0	0	0	0
Compliance Rate:	100.0%		10	10	0		0	0	0	0
BAYER CROPSCIENCE, ST LOUIS (003B54)										
	Soybean	37	37	0		0	0	0	0	0
Compliance Rate:	100.0%		37	37	0		0	0	0	0
BAYER CROPSCIENCE LP, ST. LOUIS (001MJ9)										
	Corn, Field	10	10	0		0	0	0	0	0
	Cotton	5	5	0		0	0	0	0	0
	Mixture	2	2	0		0	0	0	0	0
	Soybean	324	323	1		1	0	0	0	0
Compliance Rate:	99.7%		341	340	1		1	0	0	0
BONNIE PLANTS LLC, OPELIKA (003NP0)										
	Carrot	3	3	0		0	0	0	0	0
	Lettuce	3	3	0		0	0	0	0	0
	Tomato	1	1	0		0	0	0	0	0
Compliance Rate:	100.0%		7	7	0		0	0	0	0
BUCHHEIT INC - PERRYVILLE, PERRYVILLE (002240)										
	Fescue, Tall	1	1	0		0	0	0	0	0
Compliance Rate:	100.0%		1	1	0		0	0	0	0

						Type of Violation				
		Lots Inspected	Lots Passed	Lots In Violation		Germi-nation	Pure Seed	Noxious Weeds	Weed Seed	Other Crop
CENTRAL STATES WHOLESALE, PERRYVILLE (0027F8)										
	Fescue, Tall	1	1	0		0	0	0	0	0
	Ryegrass, Perennial	1	1	0		0	0	0	0	0
Compliance Rate:	100.0%	2	2	0		0	0	0	0	0
CHANNEL BIO LLC, ST LOUIS (0025AZ)										
	Corn, Field	1	1	0		0	0	0	0	0
	Mixture	2	2	0		0	0	0	0	0
	Soybean	41	41	0		0	0	0	0	0
Compliance Rate:	100.0%	44	44	0		0	0	0	0	0
CORTEVA AGRISCIENCE MCS LLC, JOHNSTON (003H1J)										
	Soybean	12	10	2		2	0	0	0	0
Compliance Rate:	83.3%	12	10	2		2	0	0	0	0
DELTA GROW SEED, ENGLAND (002AC4)										
	Soybean	6	5	1		1	0	0	0	0
Compliance Rate:	83.3%	6	5	1		1	0	0	0	0
DELTA PEANUT LLC, JONESBORO (003DD4)										
	Peanut	2	2	0		0	0	0	0	0
Compliance Rate:	100.0%	2	2	0		0	0	0	0	0
DLF PICKSEED, HALSEY (002397)										
	Fescue, Tall	1	1	0		0	0	0	0	0
	Mixture	2	2	0		0	0	0	0	0
Compliance Rate:	100.0%	3	3	0		0	0	0	0	0

						Type of Violation				
		Lots Inspected	Lots Passed	Lots In Violation		Germi-nation	Pure Seed	Noxious Weeds	Weed Seed	Other Crop
EARL MAY SEED AND NURSERY, SHENANDOAH (002229)										
	Bluegrass, Kentucky	1	1	0		0	0	0	0	0
	Carrot	1	1	0		0	0	0	0	0
	Mixture	1	1	0		0	0	0	0	0
	Radish	1	1	0		0	0	0	0	0
Compliance Rate:	100.0%	4	4	0		0	0	0	0	0
ELPAR STOCK & SEED FARM, VERSAILLES (0024BQ)										
	Barley	1	1	0		0	0	0	0	0
Compliance Rate:	100.0%	1	1	0		0	0	0	0	0
EWING IRRIGATION, PHOENIX (00223N)										
	Mixture	2	1	1		0	1	0	0	0
Compliance Rate:	50.0%	2	1	1		0	1	0	0	0
GRASS PAD WAREHOUSE, OLATHE (002AFW)										
	Fescue, Tall	1	1	0		0	0	0	0	0
	Mixture	16	14	2		0	0	0	0	0
	Ryegrass, Annual	1	1	0		0	0	0	0	0
Compliance Rate:	88.9%	18	16	2		0	0	0	0	0
GREEN GARDEN PRODUCTS, NORTON (003MPK)										
	Arugula	2	2	0		0	0	0	0	0
	Asparagus	1	0	1		1	0	0	0	0
	Basil	1	1	0		0	0	0	0	0
	Beet	12	12	0		0	0	0	0	0
	Broccoli	8	8	0		0	0	0	0	0
	Brussels-Sprouts	3	3	0		0	0	0	0	0
	Bush Green Bean	1	1	0		0	0	0	0	0
	Cabbage	4	4	0		0	0	0	0	0
	Carrot	36	34	2		2	0	0	0	0
	Cauliflower	3	3	0		0	0	0	0	0

						Type of Violation				
		Lots Inspected	Lots Passed	Lots In Violation		Germi-nation	Pure Seed	Noxious Weeds	Weed Seed	Other Crop
GREEN GARDEN PRODUCTS, NORTON (003MPK) Continued										
	Celery	4	3	1		1	0	0	0	0
	Collards	3	3	0		0	0	0	0	0
	Corn, Sweet	1	1	0		0	0	0	0	0
	Cucumber	2	2	0		0	0	0	0	0
	Dill	4	3	1		1	0	0	0	0
	Endive	1	1	0		0	0	0	0	0
	Kale	11	11	0		0	0	0	0	0
	Kohlrabi	1	1	0		0	0	0	0	0
	Leek	2	2	0		0	0	0	0	0
	Lettuce	42	27	15		15	0	0	0	0
	Mesclun	3	0	3		3	0	0	0	0
	Microgreens	1	1	0		0	0	0	0	0
	Mixture	1	0	1		0	1	0	0	0
	Mustard	6	6	0		0	0	0	0	0
	Onion	20	10	10		10	0	0	0	0
	Parsley	5	4	1		1	0	0	0	0
	Pea, Garden	1	1	0		0	0	0	0	0
	Pepper	3	3	0		0	0	0	0	0
	Radish	20	20	0		0	0	0	0	0
	Rutabaga	1	1	0		0	0	0	0	0
	Spinach	12	11	1		1	0	0	0	0
	Squash	1	1	0		0	0	0	0	0
	Swiss Chard	1	1	0		0	0	0	0	0
	Tomato	13	13	0		0	0	0	0	0
	Turnip	4	4	0		0	0	0	0	0
Compliance Rate:	84.6%		234	198	36	35	1	0	0	0
GREEN SEED COMPANY, SPRINGFIELD (0023BA)										
	Alfalfa	3	3	0		0	0	0	0	0
	Barley	4	4	0		0	0	0	0	0
	Beet, Sugar	1	0	1		1	0	0	0	0
	Bermudagrass	4	4	0		0	0	0	0	0
	Bluegrass, Kentucky	8	7	1		0	1	0	0	0
	Brome, Smooth	3	1	2		2	0	0	0	0

						Type of Violation				
		Lots Inspected	Lots Passed	Lots In Violation		Germi-nation	Pure Seed	Noxious Weeds	Weed Seed	Other Crop
GREEN SEED COMPANY, SPRINGFIELD (0023BA) Continued										
	Buckwheat	3	3	0		0	0	0	0	0
	Chicory	2	2	0		0	0	0	0	0
	Clover, Alsike	1	1	0		0	0	0	0	0
	Clover, Arrowleaf	4	4	0		0	0	0	0	0
	Clover, Balansa	4	4	0		0	0	0	0	0
	Clover, Berseem	3	3	0		0	0	0	0	0
	Clover, Crimson	7	7	0		0	0	0	0	0
	Clover, Ladino White	9	9	0		0	0	0	0	0
	Clover, Red	13	13	0		0	0	0	0	0
	Clover, White	10	10	0		0	0	0	0	0
	Cowpea	1	1	0		0	0	0	0	0
	Crabgrass	3	3	0		0	0	0	0	0
	Fescue, Chewings	2	2	0		0	0	0	0	0
	Fescue, Hard	3	3	0		0	0	0	0	0
	Fescue, Red	2	2	0		0	0	0	0	0
	Fescue, Sheep	1	1	0		0	0	0	0	0
	Fescue, Tall	67	50	17		12	3	3	0	0
	Kale	1	1	0		0	0	0	0	0
	Millet	2	2	0		0	0	0	0	0
	Millet, German Foxtail	1	1	0		0	0	0	0	0
	Millet, Japanese	1	1	0		0	0	0	0	0
	Millet, Pearl	1	1	0		0	0	0	0	0
	Millet, Proso	1	1	0		0	0	0	0	0
	Mixture	65	52	13		8	3	1	0	0
	Mustard	1	1	0		0	0	0	0	0
	Oat	17	15	2		2	0	0	0	0
	Orchardgrass	15	12	3		1	2	0	0	0
	Pea	1	1	0		0	0	0	0	0
	Pea, Field	4	4	0		0	0	0	0	0
	Radish, Forage	4	4	0		0	0	0	0	0
	Rape	3	3	0		0	0	0	0	0
	Redtop	1	1	0		0	0	0	0	0
	Rye	25	25	0		0	0	0	0	0
	Ryegrass, Annual	35	34	1		0	1	0	1	0
	Ryegrass, Perennial	15	10	5		1	4	0	0	0

						Type of Violation					
		Lots Inspected	Lots Passed	Lots In Violation		Germi-nation	Pure Seed	Noxious Weeds	Weed Seed	Other Crop	
GREEN SEED COMPANY, SPRINGFIELD (0023BA) Continued											
	Sorghum	1	1	0		0	0	0	0	0	
	Sorghum-Sudangrass Hybrid	14	14	0		0	0	0	0	0	
	Soybean	1	0	1		1	0	0	0	0	
	Sunflower	2	2	0		0	0	0	0	0	
	Timothy	5	5	0		0	0	0	0	0	
	Trefoil, Birdsfoot	1	1	0		0	0	0	0	0	
	Triticale	9	9	0		0	0	0	0	0	
	Turnip	11	11	0		0	0	0	0	0	
	Vetch, Hairy	7	7	0		0	0	0	0	0	
	Wheat	23	23	0		0	0	0	0	0	
Compliance Rate:	89.2%		425	379	46		28	14	4	1	0
GREEN VALLEY SEED LLC, KAHOKA (0022XK)											
	Alfalfa	1	1	0		0	0	0	0	0	
	Clover, Crimson	1	1	0		0	0	0	0	0	
	Clover, Red	1	1	0		0	0	0	0	0	
	Collards	1	1	0		0	0	0	0	0	
	Oat	1	1	0		0	0	0	0	0	
	Pea, Field	2	2	0		0	0	0	0	0	
	Radish, Forage	1	1	0		0	0	0	0	0	
	Rye	1	1	0		0	0	0	0	0	
	Soybean	5	5	0		0	0	0	0	0	
	Sunflower	2	2	0		0	0	0	0	0	
	Triticale	1	0	1		1	0	0	0	0	
	Turnip	1	1	0		0	0	0	0	0	
	Wheat	1	1	0		0	0	0	0	0	
Compliance Rate:	94.7%		19	18	1		1	0	0	0	0
HAAS SEED HOUSE, ALBERS (002ADB)											
	Wheat	2	2	0		0	0	0	0	0	
Compliance Rate:	100.0%		2	2	0		0	0	0	0	0

						Type of Violation				
		Lots Inspected	Lots Passed	Lots In Violation		Germi-nation	Pure Seed	Noxious Weeds	Weed Seed	Other Crop
HEFTY BRAND SEED, BALTIC (003W2N)										
		Soybean	6	6	0		0	0	0	0
Compliance Rate:	100.0%		6	6	0		0	0	0	0
HENRY'S PLANTS LLC, DEXTER (003GZK)										
		Beet	1	1	0		0	0	0	0
		Corn, Sweet	1	1	0		0	0	0	0
		Cucumber	1	1	0		0	0	0	0
		Radish	1	1	0		0	0	0	0
Compliance Rate:	100.0%		4	4	0		0	0	0	0
J R SIMPLOT COMPANY dba SIMPLOT PARTNERS, BOISE (002C0P)										
		Wheat	1	1	0		0	0	0	0
Compliance Rate:	100.0%		1	1	0		0	0	0	0
JONATHAN GREEN & SONS INC, FARMINGDALE (00233N)										
		Mixture	2	2	0		0	0	0	0
Compliance Rate:	100.0%		2	2	0		0	0	0	0
LG SEEDS, ELMWOOD (0022H2)										
		Corn, Field	3	3	0		0	0	0	0
Compliance Rate:	100.0%		3	3	0		0	0	0	0
LICK SKILLET SEEDS INC, GALLATIN (002342)										
		Oat	1	1	0		0	0	0	0
Compliance Rate:	100.0%		1	1	0		0	0	0	0

						Type of Violation				
		Lots Inspected	Lots Passed	Lots In Violation		Germi-nation	Pure Seed	Noxious Weeds	Weed Seed	Other Crop
LOVELAND PRODUCTS, GREELEY (00229G)										
	Corn, Field	2	2	0		0	0	0	0	0
	Soybean	27	27	0		0	0	0	0	0
Compliance Rate:	100.0%	29	29	0		0	0	0	0	0
MFA - RAY YOUNG - COLUMBIA, COLUMBIA (0002XV)										
	Soybean	2	2	0		0	0	0	0	0
Compliance Rate:	100.0%	2	2	0		0	0	0	0	0
MFA INC SEED DIVISION, COLUMBIA (0022B1)										
	Clover, Crimson	1	1	0		0	0	0	0	0
	Fescue, Red	1	1	0		0	0	0	0	0
	Fescue, Tall	1	1	0		0	0	0	0	0
	Ryegrass, Perennial	1	1	0		0	0	0	0	0
	Sorghum	1	1	0		0	0	0	0	0
	Soybean	2	0	2		2	0	0	0	0
	Triticale	2	2	0		0	0	0	0	0
	Wheat	16	16	0		0	0	0	0	0
Compliance Rate:	92.0%	25	23	2		2	0	0	0	0
MFA SEED DISTRIBUTION CENTER, SEDALIA (0024JM)										
	Fescue, Tall	2	2	0		0	0	0	0	0
	Mixture	1	0	1		0	1	0	0	0
	Orchardgrass	1	1	0		0	0	0	0	0
	Rape	1	1	0		0	0	0	0	0
	Triticale	1	1	0		0	0	0	0	0
Compliance Rate:	83.3%	6	5	1		0	1	0	0	0

						Type of Violation				
		Lots Inspected	Lots Passed	Lots In Violation		Germi-nation	Pure Seed	Noxious Weeds	Weed Seed	Other Crop
MILLER SEED CO, CLINTON (0023F6)										
	Brome, Smooth	1	0	1		1	0	0	0	0
	Mixture	1	1	0		0	0	0	0	0
Compliance Rate:	50.0%	2	1	1		1	0	0	0	0
MISSOURI SOUTHERN SEED, ROLLA (0024KK)										
	Alfalfa	2	2	0		0	0	0	0	0
	Barley	3	3	0		0	0	0	0	0
	Beet, Sugar	1	1	0		0	0	0	0	0
	Bermudagrass	1	1	0		0	0	0	0	0
	Bluegrass, Kentucky	2	2	0		0	0	0	0	0
	Buckwheat	2	2	0		0	0	0	0	0
	Chicory	1	1	0		0	0	0	0	0
	Chufa	1	1	0		0	0	0	0	0
	Clover, Balansa	3	2	1		0	1	0	0	0
	Clover, Berseem	2	2	0		0	0	0	0	0
	Clover, Crimson	7	7	0		0	0	0	0	0
	Clover, Ladino White	6	5	1		0	0	0	0	0
	Clover, Red	18	18	0		0	0	0	0	0
	Clover, Sweet Yellow	2	2	0		0	0	0	0	0
	Clover, White	2	2	0		0	0	0	0	0
	Collards	1	1	0		0	0	0	0	0
	Cowpea	2	2	0		0	0	0	0	0
	Fescue, Tall	18	17	1		0	0	1	0	0
	Festulolium	3	3	0		0	0	0	0	0
	Lespedeza, Korean	1	1	0		0	0	0	0	0
	Millet, Browntop	1	1	0		0	0	0	0	0
	Millet, German Foxtail	1	1	0		0	0	0	0	0
	Millet, Japanese	1	1	0		0	0	0	0	0
	Millet, Pearl	4	4	0		0	0	0	0	0
	Millet, Proso	1	1	0		0	0	0	0	0
	Mixture	23	22	1		1	0	0	0	0
	Oat	23	19	4		4	0	0	0	0
	Oat, Black	1	1	0		0	0	0	0	0
	Orchardgrass	8	7	1		0	1	0	0	0

						Type of Violation				
		Lots Inspected	Lots Passed	Lots In Violation		Germi-nation	Pure Seed	Noxious Weeds	Weed Seed	Other Crop
MISSOURI SOUTHERN SEED, ROLLA (0024KK) Continued										
	Pea, Field	10	10	0		0	0	0	0	0
	Radish	1	1	0		0	0	0	0	0
	Radish, Forage	4	4	0		0	0	0	0	0
	Rape	2	2	0		0	0	0	0	0
	Redtop	6	6	0		0	0	0	0	0
	Rice	1	1	0		0	0	0	0	0
	Rye	30	30	0		0	0	0	0	0
	Ryegrass, Annual	9	9	0		0	0	0	0	0
	Ryegrass, Intermediate	5	5	0		0	0	0	0	0
	Ryegrass, Italian	1	1	0		0	0	0	0	0
	Ryegrass, Perennial	9	8	1		0	1	0	0	0
	Sorghum	8	8	0		0	0	0	0	0
	Sorghum-Sudangrass Hybrid	19	19	0		0	0	0	0	0
	Soybean	2	2	0		0	0	0	0	0
	Sunflower	1	1	0		0	0	0	0	0
	Sunn Hemp	1	1	0		0	0	0	0	0
	Teff	2	1	1		0	1	0	0	0
	Timothy	5	5	0		0	0	0	0	0
	Trefoil, Birdsfoot	1	1	0		0	0	0	0	0
	Triticale	9	9	0		1	0	0	0	0
	Turnip	11	11	0		0	0	0	0	0
	Vetch, Hairy	6	6	0		0	0	0	0	0
	Wheat	23	23	0		0	0	0	0	0
Compliance Rate:	96.4%		307	296	11	6	4	1	0	0
MONSANTO COMPANY, ST LOUIS (00221V)										
	Cotton	1	1	0		0	0	0	0	0
	Soybean	72	70	2		2	0	0	0	0
Compliance Rate:	97.3%		73	71	2	2	0	0	0	0

						Type of Violation				
		Lots Inspected	Lots Passed	Lots In Violation		Germi-nation	Pure Seed	Noxious Weeds	Weed Seed	Other Crop
MORGAN COUNTY SEEDS, BARNETT (00039X)										
	Anise	1	1	0		0	0	0	0	0
	Asparagus	1	1	0		0	0	0	0	0
	Bean, Garden	13	12	1		1	0	0	0	0
	Beet	9	8	1		1	0	0	0	0
	Borage	1	1	0		0	0	0	0	0
	Broccoli	1	1	0		0	0	0	0	0
	Brussels-Sprouts	1	1	0		0	0	0	0	0
	Bush Green Bean	1	1	0		0	0	0	0	0
	Cabbage	5	5	0		0	0	0	0	0
	Cabbage, Chinese	1	1	0		0	0	0	0	0
	Cantaloupe	1	1	0		0	0	0	0	0
	Catnip	1	1	0		0	0	0	0	0
	Cauliflower	2	2	0		0	0	0	0	0
	Chamomile, Annual	1	1	0		0	0	0	0	0
	Chervil	1	1	0		0	0	0	0	0
	Chives	1	1	0		0	0	0	0	0
	Coriander	1	1	0		0	0	0	0	0
	Corn	3	3	0		0	0	0	0	0
	Corn, Ornamental	3	3	0		0	0	0	0	0
	Corn, Sweet	17	16	1		1	0	0	0	0
	Cucumber	4	4	0		0	0	0	0	0
	Dill	1	1	0		0	0	0	0	0
	Eggplant	1	1	0		0	0	0	0	0
	Endive	1	1	0		0	0	0	0	0
	Fava Bean	1	1	0		0	0	0	0	0
	Fennel	2	2	0		0	0	0	0	0
	Fenugreek	2	2	0		0	0	0	0	0
	Kohlrabi	1	1	0		0	0	0	0	0
	Leek	1	1	0		0	0	0	0	0
	Lettuce	1	1	0		0	0	0	0	0
	Lima Bean	1	1	0		0	0	0	0	0
	Lovage	1	1	0		0	0	0	0	0
	New Zealand Spinach	1	1	0		0	0	0	0	0
	Okra	3	3	0		0	0	0	0	0
	Pakchoi	2	2	0		0	0	0	0	0

						Type of Violation				
		Lots Inspected	Lots Passed	Lots In Violation		Germination	Pure Seed	Noxious Weeds	Weed Seed	Other Crop
MORGAN COUNTY SEEDS, BARNETT (00039X) Continued										
	Parsley	3	3	0		0	0	0	0	0
	Pea, Garden	2	2	0		0	0	0	0	0
	Popcorn	1	1	0		0	0	0	0	0
	Pumpkin	1	1	0		0	0	0	0	0
	Salsify	1	1	0		0	0	0	0	0
	Savory, Summer	1	1	0		0	0	0	0	0
	Spinach	4	4	0		0	0	0	0	0
	Squash, Autum-Winter	2	2	0		0	0	0	0	0
	Squash, Summer	2	2	0		0	0	0	0	0
	Swiss Chard	4	4	0		0	0	0	0	0
	Turnip	2	2	0		0	0	0	0	0
	Watermelon	1	1	0		0	0	0	0	0
	Wax Bean	2	2	0		0	0	0	0	0
	Zucchini	1	1	0		0	0	0	0	0
Compliance Rate:	97.4%		115	112	3	3	0	0	0	0
MOUNTAIN VIEW SEEDS LTD, SALEM (002396)										
	Mixture	1	1	0		0	0	0	0	0
Compliance Rate:	100.0%		1	1	0	0	0	0	0	0
NECO SEED FARMS INC, GARDEN CITY (0022Q1)										
	Soybean	7	7	0		0	0	0	0	0
Compliance Rate:	100.0%		7	7	0	0	0	0	0	0
PENNINGTON SEED INC, GREENFIELD (002335)										
	Fescue, Tall	55	39	16		1	3	13	2	2
	Mixture	194	188	6		6	2	0	0	3
	Ryegrass, Annual	5	5	0		0	0	0	0	0
Compliance Rate:	91.3%		254	232	22	7	5	13	2	5

						Type of Violation				
		Lots Inspected	Lots Passed	Lots In Violation		Germi-nation	Pure Seed	Noxious Weeds	Weed Seed	Other Crop
PENNINGTON SEED INC SEED PRODUCTION, MADISON (002ACW)										
		Mixture	1	1	0		0	0	0	0
Compliance Rate:	100.0%		1	1	0		0	0	0	0
PERFORMANCE SEED, ST CLOUD (0022Y3)										
		Mixture	2	2	0		0	0	0	0
Compliance Rate:	100.0%		2	2	0		0	0	0	0
PHYTOGEN SEED CO LLC, INDIANAPOLIS (0022HZ)										
		Cotton	5	5	0		0	0	0	0
Compliance Rate:	100.0%		5	5	0		0	0	0	0
PIONEER HI-BRED INTERNATIONAL INC, JOHNSTON (00221B)										
		Corn, Field	4	4	0		0	0	0	0
		Mixture	2	2	0		0	0	0	0
		Sorghum	1	1	0		0	0	0	0
		Soybean	273	270	3		3	0	0	0
Compliance Rate:	98.9%		280	277	3		3	0	0	0

						Type of Violation				
		Lots Inspected	Lots Passed	Lots In Violation		Germination	Pure Seed	Noxious Weeds	Weed Seed	Other Crop
PLANTATION PRODUCTS, NORTON (00221H)										
	Bean, Garden	1	1	0		0	0	0	0	0
	Beet	1	1	0		0	0	0	0	0
	Carrot	4	4	0		0	0	0	0	0
	Corn, Sweet	2	2	0		0	0	0	0	0
	Lettuce	9	6	3		3	0	0	0	0
	Onion	2	2	0		0	0	0	0	0
	Radish	3	3	0		0	0	0	0	0
	Spinach	1	1	0		0	0	0	0	0
	Swiss Chard	1	1	0		0	0	0	0	0
	Tomato	1	1	0		0	0	0	0	0
	Turnip	1	1	0		0	0	0	0	0
Compliance Rate:	88.5%		26	23	3	3	0	0	0	0
PRINCE CORPORATION, MARSHFIELD (002715)										
	Mixture	1	0	1		0	1	0	0	1
Compliance Rate:	0.0%		1	0	1	0	1	0	0	1
PROGENY AG PRODUCTS - ERWIN-KEITH INC, WYNNE (002AC6)										
	Soybean	4	4	0		0	0	0	0	0
Compliance Rate:	100.0%		4	4	0	0	0	0	0	0
RICETEC INC, ALVIN (002AM4)										
	Rice	11	10	1		1	0	0	0	0
Compliance Rate:	90.9%		11	10	1	1	0	0	0	0
S&W SEED COMPANY, NEW DEAL (0036A2)										
	Sorghum	1	1	0		0	0	0	0	0
Compliance Rate:	100.0%		1	1	0	0	0	0	0	0

						Type of Violation				
		Lots Inspected	Lots Passed	Lots In Violation		Germi-nation	Pure Seed	Noxious Weeds	Weed Seed	Other Crop
SCHULTZ TURF & FORAGE, DIETERICH (003Q81)										
	Mixture	1	0	1		1	0	0	0	0
Compliance Rate:	0.0%	1	0	1		1	0	0	0	0
SCOTTS COMPANY, MARYSVILLE (00223B)										
	Bermudagrass	1	1	0		0	0	0	0	0
	Mixture	11	11	0		0	0	0	0	0
Compliance Rate:	100.0%	12	12	0		0	0	0	0	0
SEEDS OF CHANGE, RANCHO DOMINGUEZ (003GY1)										
	Arugula	1	1	0		0	0	0	0	0
	Basil	1	1	0		0	0	0	0	0
	Broccoli	2	2	0		0	0	0	0	0
	Carrot	4	4	0		0	0	0	0	0
	Cilantro	1	1	0		0	0	0	0	0
	Dill	1	1	0		0	0	0	0	0
	Kale	3	3	0		0	0	0	0	0
	Lettuce	6	6	0		0	0	0	0	0
	Mustard	1	1	0		0	0	0	0	0
	Onion	4	4	0		0	0	0	0	0
	Parsley	1	1	0		0	0	0	0	0
	Radish	2	2	0		0	0	0	0	0
	Spinach	1	1	0		0	0	0	0	0
Compliance Rate:	100.0%	28	28	0		0	0	0	0	0

						Type of Violation				
		Lots Inspected	Lots Passed	Lots In Violation		Germi-nation	Pure Seed	Noxious Weeds	Weed Seed	Other Crop
SHAWNEETOWN FEED & SEED CO, JACKSON (00222Q)										
	Clover, Ladino White	1	1	0		0	0	0	0	0
	Corn, Sweet	1	1	0		0	0	0	0	0
	Cucumber	1	1	0		0	0	0	0	0
	Lima Bean	1	0	1		1	0	0	0	0
	Okra	1	1	0		0	0	0	0	0
	Pea, Field	1	1	0		0	0	0	0	0
	Pumpkin	3	3	0		0	0	0	0	0
	Rape	1	1	0		0	0	0	0	0
	Rye	1	1	0		0	0	0	0	0
	Squash	3	3	0		0	0	0	0	0
	Sunflower	1	1	0		0	0	0	0	0
	Turnip	1	1	0		0	0	0	0	0
	Watermelon	2	2	0		0	0	0	0	0
Compliance Rate:	94.4%		18	17	1	1	0	0	0	0
STINE SEED COMPANY INC, ADEL (0022JZ)										
	Soybean	1	1	0		0	0	0	0	0
Compliance Rate:	100.0%		1	1	0	0	0	0	0	0
STODDARD COUNTY SEED SERVICE, DUDLEY (0025J6)										
	Oat	1	1	0		0	0	0	0	0
Compliance Rate:	100.0%		1	1	0	0	0	0	0	0
SYNGENTA SEEDS INC, MINNEAPOLIS (00221W)										
	Soybean	41	40	1		1	0	0	0	0
Compliance Rate:	97.6%		41	40	1	1	0	0	0	0
THE SEED HOUSE dba WILBUR ELLIS, ONEILL (00232F)										
	Soybean	1	1	0		0	0	0	0	0
Compliance Rate:	100.0%		1	1	0	0	0	0	0	0

						Type of Violation				
		Lots Inspected	Lots Passed	Lots In Violation		Germination	Pure Seed	Noxious Weeds	Weed Seed	Other Crop
TRI-STAR SEED COMPANY, SPRING HILL (0022N3)										
	Carrot	1	1	0		0	0	0	0	0
	Cucumber	1	1	0		0	0	0	0	0
	Fescue, Tall	1	1	0		0	0	0	0	0
	Lettuce	1	1	0		0	0	0	0	0
	Mixture	1	1	0		0	0	0	0	0
	Pumpkin	1	1	0		0	0	0	0	0
	Radish	1	1	0		0	0	0	0	0
	Squash	1	1	0		0	0	0	0	0
	Turnip	1	1	0		0	0	0	0	0
	Watermelon	1	1	0		0	0	0	0	0
Compliance Rate:	100.0%		10	10	0	0	0	0	0	0
URSA FARMERS COOP, LORAIN (00300Q)										
	Rye	1	1	0		0	0	0	0	0
Compliance Rate:	100.0%		1	1	0	0	0	0	0	0
URSA FARMERS CO-OP, URSA (002ZYX)										
	Clover, Red	1	1	0		0	0	0	0	0
Compliance Rate:	100.0%		1	1	0	0	0	0	0	0
W ATLEE BURPEE CO dba BURPEE GARDEN PRODUCTS, WARMINSTER (002235)										
	Arugula	1	1	0		0	0	0	0	0
	Basil	2	2	0		0	0	0	0	0
	Bean, Garden	1	1	0		0	0	0	0	0
	Beet	6	6	0		0	0	0	0	0
	Bok Choi	1	1	0		0	0	0	0	0
	Broccoli	2	2	0		0	0	0	0	0
	Carrot	16	16	0		0	0	0	0	0
	Cilantro	1	1	0		0	0	0	0	0
	Collards	1	1	0		0	0	0	0	0
	Corn, Sweet	1	1	0		0	0	0	0	0
	Dill	6	6	0		0	0	0	0	0

						Type of Violation				
		Lots Inspected	Lots Passed	Lots In Violation		Germi-nation	Pure Seed	Noxious Weeds	Weed Seed	Other Crop
W ATLEE BURPEE CO dba BURPEE GARDEN PRODUCTS, WARMINSTER (002235) Continued										
	Kale	2	2	0		0	0	0	0	0
	Lettuce	14	13	1		1	0	0	0	0
	Mesclun	7	7	0		0	0	0	0	0
	Microgreens	1	1	0		0	0	0	0	0
	Mustard	1	1	0		0	0	0	0	0
	Okra	2	2	0		0	0	0	0	0
	Onion	8	7	1		1	0	0	0	0
	Parsley	7	7	0		0	0	0	0	0
	Pepper	2	2	0		0	0	0	0	0
	Pepper, Hot	1	1	0		0	0	0	0	0
	Radish	15	13	2		2	0	0	0	0
	Spinach	7	7	0		0	0	0	0	0
	Swiss Chard	2	2	0		0	0	0	0	0
	Tomato	5	5	0		0	0	0	0	0
	Turnip	1	1	0		0	0	0	0	0
Compliance Rate:	96.5%		113	109	4	4	0	0	0	0
WILLCROSS SEED INC - GARDEN CITY, GARDEN CITY (002BCQ)										
	Soybean	5	5	0		0	0	0	0	0
Compliance Rate:	100.0%		5	5	0	0	0	0	0	0
WILLIAMS LAWN SEED CO, MARYVILLE (0024F0)										
	Bluegrass, Kentucky	1	1	0		0	0	0	0	0
	Fescue, Hard	1	1	0		0	0	0	0	0
	Mixture	5	5	0		0	0	0	0	0
	Ryegrass, Annual	2	1	1		0	1	0	0	0
Compliance Rate:	88.9%		9	8	1	0	1	0	0	0

						Type of Violation				
		Lots Inspected	Lots Passed	Lots In Violation		Germi-nation	Pure Seed	Noxious Weeds	Weed Seed	Other Crop
WINFIELD SOLUTIONS LLC, ST PAUL (00222A)										
	Corn, Field	1	1	0		0	0	0	0	0
	Mixture	4	3	1		0	0	0	0	0
	Soybean	4	2	2		2	0	0	0	0
Compliance Rate:	66.7%		9	6	3		2	0	0	0
WINFIELD SOLUTIONS LLC dba ARMOR SEED, JONESBORO (003330)										
	Soybean	6	6	0		0	0	0	0	0
Compliance Rate:	100.0%		6	6	0		0	0	0	0
YODERS PRODUCE & FLOWERS, BLOOMFIELD (001X4G)										
	Beet	1	1	0		0	0	0	0	0
	Corn, Sweet	1	1	0		0	0	0	0	0
	Lettuce	1	1	0		0	0	0	0	0
Compliance Rate:	100.0%		3	3	0		0	0	0	0
Overall Totals:		2679	2520	159		111	30	18	3	7

**Plant Industries Division
Missouri Department of Agriculture
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